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In the Claims

Amend claims 1, 2 and 14 as follows.

1. [Amended] An electronic power supply for a synchronous motor with permanent-magnet rotor with at least two pairs of poles, wherein the windings of each pair of poles are supplied by a corresponding electronic circuit, one of said electronic circuits comprising a capacitor which acts as a 90° phase shifter, a static switch being also present on at least one of the two electronic circuits and being controlled by means for detecting the position of the rotor, said means for detecting the position of the rotor cooperating with a power supply voltage polarity signal to control said static switch.

A1

2. [Amended] An electronic power supply for a synchronous motor with permanent-magnet rotor with at least two pairs of poles, wherein the windings of each pair of poles are supplied by a corresponding electronic circuit, one of said electronic circuits comprising a capacitor which acts as a 90° phase shifter and at least one of said electronic circuits comprising a booster coil, a static switch being also present on at least one of the two electronic circuits and being controlled by means for detecting the position of the rotor, said means for detecting the position of the rotor cooperating with a power supply voltage polarity signal to control said static switch.

14. [Amended] A synchronous motor with permanent-magnet rotor having a stator with two pairs of poles, comprising an electronic power supply in which the windings of each pair of poles are supplied by a corresponding electronic circuit, one of said electronic circuits comprising a capacitor which acts as a 90° phase shifter, a static switch controlled by means for detecting the position of the rotor being further

A2

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provided on at least one of the two electronic circuits, said means for detecting the position of the rotor cooperating with a power supply voltage polarity signal to control said static switch.

X2 cont'd.

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Clean version of claims 1, 2 and 14

1. An electronic power supply for a synchronous motor with permanent-magnet rotor with at least two pairs of poles, wherein the windings of each pair of poles are supplied by a corresponding electronic circuit, one of said electronic circuits comprising a capacitor which acts as a 90° phase shifter, a static switch being also present on at least one of the two electronic circuits and being controlled by means for detecting the position of the rotor, said means for detecting the position of the rotor cooperating with a power supply voltage polarity signal to control said static switch.

2. An electronic power supply for a synchronous motor with permanent-magnet rotor with at least two pairs of poles, wherein the windings of each pair of poles are supplied by a corresponding electronic circuit, one of said electronic circuits comprising a capacitor which acts as a 90° phase shifter and at least one of said electronic circuits comprising a booster coil, a static switch being also present on at least one of the two electronic circuits and being controlled by means for detecting the position of the rotor, said means for detecting the position of the rotor cooperating with a power supply voltage polarity signal to control said static switch.

14. A synchronous motor with permanent-magnet rotor having a stator with two pairs of poles, comprising an electronic power supply in which the windings of each pair of poles are supplied by a corresponding electronic circuit, one of said electronic circuits comprising a capacitor which acts as a 90° phase shifter, a static switch controlled by means for detecting the position of the rotor being further provided on at least one of the two electronic circuits, said means for detecting the position of the rotor cooperating with a power supply voltage polarity signal to control said static switch.

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